

# hewitech

INNOVATION IN PLASTIC



**COOLING TOWER FILLS**

**WASTE WATER FILTER MEDIA**

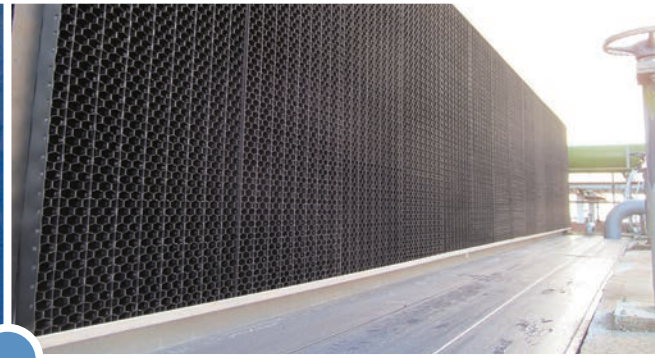
**SUSTAINABLE URBAN DRAINAGE**

complex requirements  
demand intelligent solutions

## COOLING TOWER FILLS

Hewitech offers a comprehensive range of plastic media fill, air inlet louvres and drift eliminators for use in cooling towers, in the power sector, petrochemical and for many other industrial and HVAC purposes.

Hewitech - producer of machines + moduls - the inventor of Trickle Fill



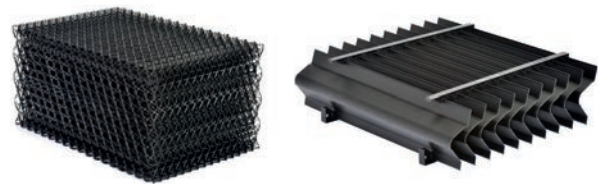
Hewitech media products, counter-flow, crossflow, vertical fluted, trickle grid and splash bar have high module strength, with a large surface area for thermal efficiency, and have excellent material temperature performance.

Hewitech drift eliminators and air inlet louver assist in compliance to L8 ACOP, reducing the risk from Legionella in accordance with HSE guidance note HSG274.



Manufactured from PP and PVC, drift eliminators are available in a range of 33-44mm spaces, with respective blade heights of 156, 177 and 188mm giving flexibility for cooling tower configuration.

We offer full technical and design support, utilising our bespoke software to provide thermal calculations, ensuring best practice for the use of our products in cooling tower applications.



“Hewitech are a reactive and reliable supplier, with a good range of products at competitive rates.”

**MARK RAW, REGIONAL MANAGER  
INDUSTRIAL COOLING - POWER SECTOR  
COSTAIN LIMITED**



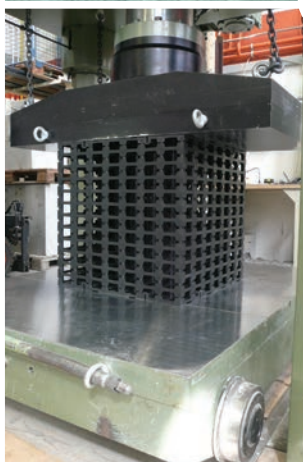
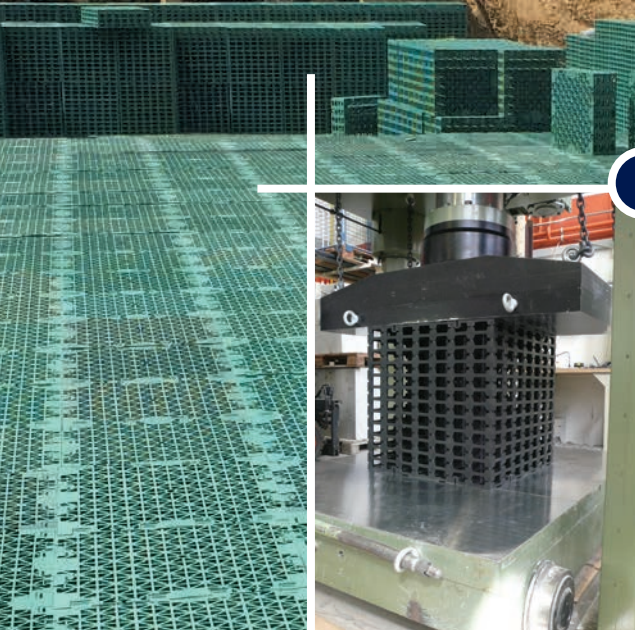


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## SUSTAINABLE URBAN DRAINAGE

Variobox SUDS systems for stormwater retention and infiltration are the strongest available, proven by rigorously testing for long term performance.

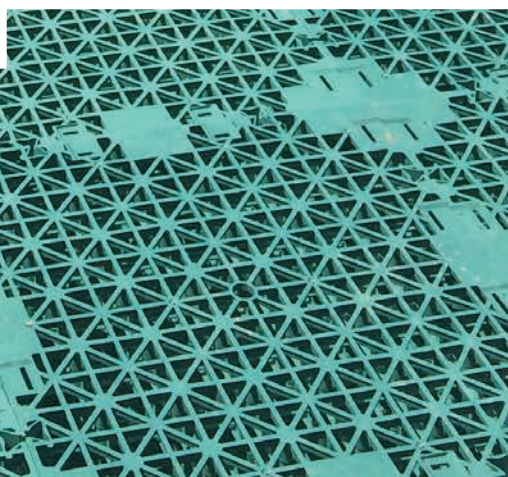
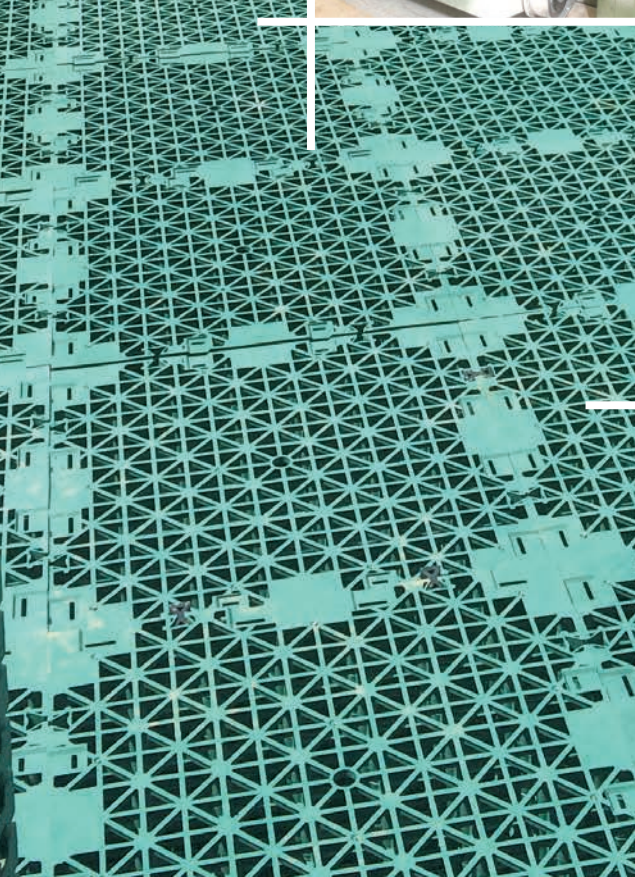
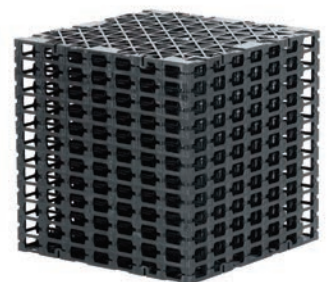
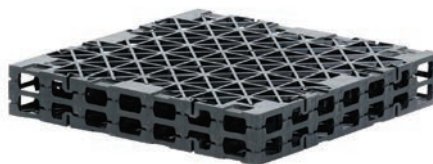
Variobox Plus with a vertical test loading of 700kN/m<sup>2</sup> and a lateral test loading of 200kN/m<sup>2</sup> enable the Hewitech system to be designed and installed at greater depths than other crates available within the industry.



Access and maintenance to the engineer's design is achieved by incorporating the Controlbox with a 500mm open channel. The maintenance channel is used to clear debris from the system using traditional drainage jetting techniques.

**Variobox is available in a wide range of depth configurations, 100, 150, 200, 300, 400 and 600mm.**

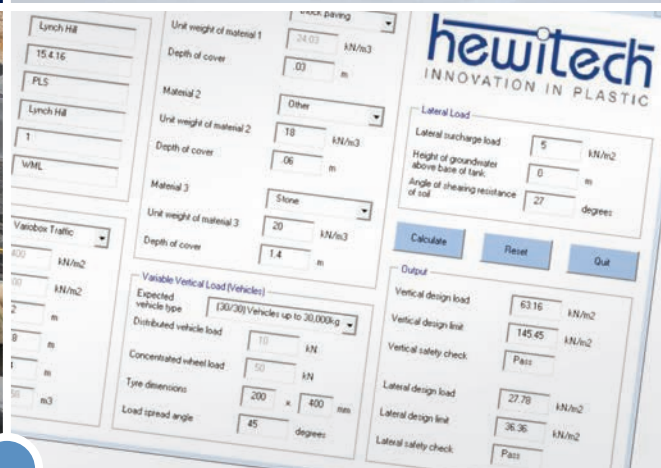
This allows the engineer great flexibility in designing tanks that best fit the site's drainage constraints and available space for construction.



## Hewitech's in-house installation team offer customers a complete supply and fix warranted solution.

Hewitech Membrane is wedge welded and tested in accordance with "CIRIA 698 Site handbook for the construction of SUDS" which states - "All storage tanks should be fully sealed in accordance with waterproofing standards, i.e. welded joints rather than adhesive tape, and the integrity of the seal checked through non-destructive testing, to ensure it is leak-proof."

Hewitech's installation team also install membranes for other forms of SUDS such as storage below permeable car park surfaces and open lagoons.



Stormwater tanks should be assessed for structural loadings on a site specific basis, following the formula in CIRIA guidance. Hewitech's software programme measures live and dead loads to ensure schemes are within design limits once safety factors are taken into account.

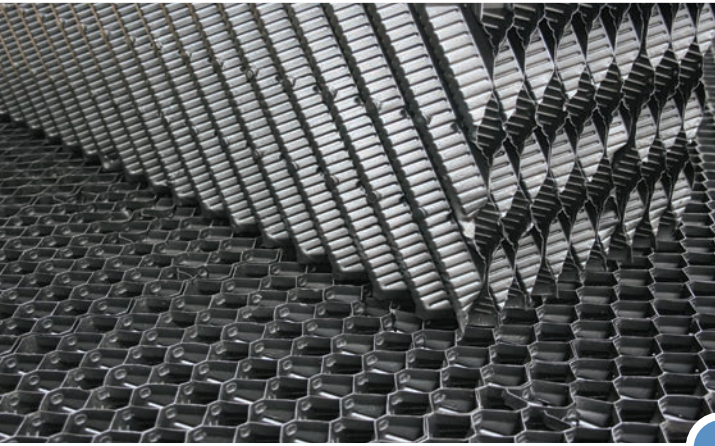


"We found Hewitech very easy to work with, all materials arrived on time and the whole process went very smoothly, with no problems. We are very happy with the end result."

**STUART DENLOW**  
PROJECT MANAGER, KIER CONSTRUCTION

## WASTE WATER FILTER MEDIA

Hewitech design and manufacture in Germany, Structured Media Filters for biological wastewater treatment applications in both municipal and industrial waste water. Our materials are used for BOD treatment and nitrification in Tricking Filters (NTF), Submerged Aerated Filters (SAF), and Biologically Activated Fixed Film Filters (BAFF) in new and existing applications.



Reference:  
WWTP Ingolstadt - 3 Tricking  
filter each 3500m<sup>3</sup>

PP or PVC media is available in 12, 19 and 27mm, giving effective surface areas of 240, 150 and 125 m<sup>2</sup>/m<sup>3</sup>. The individual foils are shaped and extruded in one process giving either strengthened edges or uniform foil thickness, and then jointed using Hewitech's welding techniques to give extremely high mechanical strength.

Hewitech offer a complete turnkey installation from the supply to the commissioning stage of new build or refurbishment projects. Project management including efficient waste disposal of old media, saves costly plant downtime, delivering a reduction in carbon footprint and environmental impact.

Technical support follows guidelines of international norms of DWA+ATV + WEF and is given to design the media structure, assessing the mechanical strength required through the filter to take into account minimum load capacity required, DIN 19557part 2, with relevant material safety factors.

Scope:  
exchange of Random Media to  
structured polypropylene fill  
media.

Execution: 2015/2016

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Hewitech group with production facilities in UK and Poland



HEAD OFFICE, OCHTRUP

